AMENDMENTS TO THE CLAIMS

This listing of Claims shall replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.   (Currently Amended) A method of generating a project datasheet in an integrated design environment comprising:

accessing project data from an XML database structure, said project data from the integrated design environment and for describing an electronic system design for implementation on a ~~microcontroller~~ programmable system on a chip processor, wherein said project data comprises specified pinout connection data for said programmable system on a chip processor;

accessing an XSL stylesheet directed to project datasheets; and

processing said project data according to said XSL stylesheet to automatically produce a project datasheet file, wherein said project datasheet file ~~includes integrated circuit~~ comprises said specified pinout ~~assignment~~ connection data for said programmable system on a chip processor.

2.   (Original) The method of Claim 1, further including formatting said data sheet in HTML.

3.   (Original) The method of Claim 2, further including rendering said project datasheet as a visual output datasheet using a browser.

4.   (Original) The method of Claim 1, further including displaying said project datasheet.

5.   (Original) The method of Claim 4, wherein displaying said project datasheet is done as a single action display.

6.   (Original) The method of Claim 4, wherein displaying said project datasheet includes printing said project datasheet.

7.   (Cancelled)

8.   (Original) The method of Claim 4, wherein said project datasheet includes a user module schematic.

9.   (Original) The method of Claim 4, wherein said project datasheet includes global parameters.

10.   (Original) The method of Claim 4, wherein said project datasheet includes input and output configuration data.

11.   (Currently Amended) A system for automatically generating a project datasheet comprising a computer system, said computer system further comprising:

        a database formatted in XML, wherein said database comprises project data, and wherein said project data comprises specified pinout connection data for a programmable system on a chip processor;

        an XSL stylesheet directed to project datasheets; and,

        an XSL processor for producing a project datasheet from input from said database and said XSL stylesheet, wherein said datasheet describes an electronic design from an integrated design environment and for implementation

on a ~~microcontroller~~ <u>said</u> programmable system on a chip <u>processor</u> ~~programmable integrated-circuit device~~, and wherein said datasheet ~~includes integrated-circuit~~ <u>comprises said specified</u> pinout ~~assignment~~ <u>connection</u> data <u>for said programmable system on a chip processor</u>.

12.   (Original) The system of Claim 11, further including an XSL processor that produces output in HTML format.

13.   (Original) The system of Claim 11, further including a browser.

14.   (Original) The system of Claim 11, further including a visual display for displaying said project datasheet.

15.   (Original) The system of Claim 11, further including a printer for printing said project datasheet.

16.   (Original) The system of Claim 11, further including an integrated design environment for integrated circuits.

17.   (Previously Presented) A computer readable medium containing executable instructions which, when executed in a processing system, causes the system to perform the steps generating a project datasheet comprising:

accessing project data from an XML database structure, said project data from an integrated design environment and for describing an electronic system design for implementation on a microcontroller programmable system on a chip;

accessing an XSL stylesheet directed to project datasheets;

processing said project data according to said XSL stylesheet to automatically produce a project datasheet file, wherein said project datasheet file includes integrated circuit pinout assignment data.

18.   (Original) The computer readable medium of Claim 17, further including instructions for formatting said project datasheet in HTML.

19.   (Original) The computer readable medium of Claim 18, further including instructions for rendering said project datasheet using a browser.

20.   (Original) The computer readable medium of Claim 17, further including instructions for displaying said project datasheet.

21.   (Original) The computer readable medium of Claim 17, further including instructions for displaying as a single action display.

22.   (Original) The computer readable medium of Claim 17, further including instructions for printing said project datasheet.

23.   (Cancelled)

24.   (Currently Amended) A computer controlled method for generating design information comprising:
        a) selecting a plurality of global parameters;
        b) selecting at least one user module representing a circuit design for a microcontroller programmable system on a chip;

c) placing said user module within a plurality of programmable hardware resources;

d) parameterizing said user module;

e) establishing connections to said user module; and

f) automatically generating a datasheet file describing an electronic design project from an integrated design environment and comprising said user module as parameterized, its connections and said global parameters, and wherein said datasheet file ~~includes integrated circuit~~ comprises pinout ~~assignment~~ connection data for said programmable system on a chip.

25.   (Previously Presented) A method as described in Claim 24 further comprising rendering in a visual form said datasheet file.

26.   (Previously Presented) A method as described in Claim 24 wherein said automatically generating a datasheet file comprises:

f1) accessing project data from an XML database structure;

f2) accessing an XSL stylesheet; and

f3) processing said project data according to said XSL stylesheet to automatically produce said datasheet file.